

FEATURES

- Ultra high power module
- Latest AVB & DSP technology
- OEM friendly

Power Amplifier

- UMAC™ class D technology
- Up to 2400W on channel 1
- Up to 700W on channel 2 and 3
- Self protection & power hibernation
- Regulated SMPS for 85 ~ 268V operation

Flexible Digital Signal Processor

- Crossover (Up to 48dB/oct)
- Equalization (Up to 6band PEQ/ch)
- Compressor/Limiter
- Time alignment / phase / gain control
- Audio, voltage, current, thermal metering

Control

- ZeroConf for Plug&Play configuration
- Remote control for up to 256 amplifiers
- DHCP or Link Local Addressing (Auto IP)
- Remote firmware upgrade over network

Audio Video Bridging (Optional)

- Low latency, synchronized streaming
- Up to 3 incoming streams
- Up to 3 outgoing streams (loopback)
- Redundant network connectivity

The PWR-DSP3 answers the needs for a high power, high efficiency plate amplifier module. Based on the synergetic and innovative technology from DSP4YOU and Pascal A/S, the module is a turnkey solution for multi-way powered speakers. UMAC™ Class-D technology, Digital Signal Processing (DSP) and Audio Video Bridging (AVB) are some of the breakthrough features at the core of this plate amplifier.

With an impressive maximum rating of 2400W (ch1) and 700W (ch2&3), be sure to find no compromise on audio quality. From ProAudio to Hifi, the ultra low THD+N levels and high damping factor give un-paralleled audio performance.

Last but not least, the optional Audio Video Bridging (AVB) allows streaming of multiple uncompressed, low latency and synchronized audio channels over Ethernet networks. Extended cable length, noise immunity and flexible routing are some of the many obvious advantages of AVB. With our live amplifier health monitoring (load, temperature, clip) and ZeroConf support, the PWR-DSP3 is a true Plug & Play device that is easily configured over Ethernet or Wifi networks.

For information on potential OEM implementation, please contact sales@dsp4you.com

Typical Applications

- Pro Audio active speakers
- Studio / Hifi active monitors
- OEM applications
- Powered Cardioid Subwoofers



SYSTEM DIAGRAM



